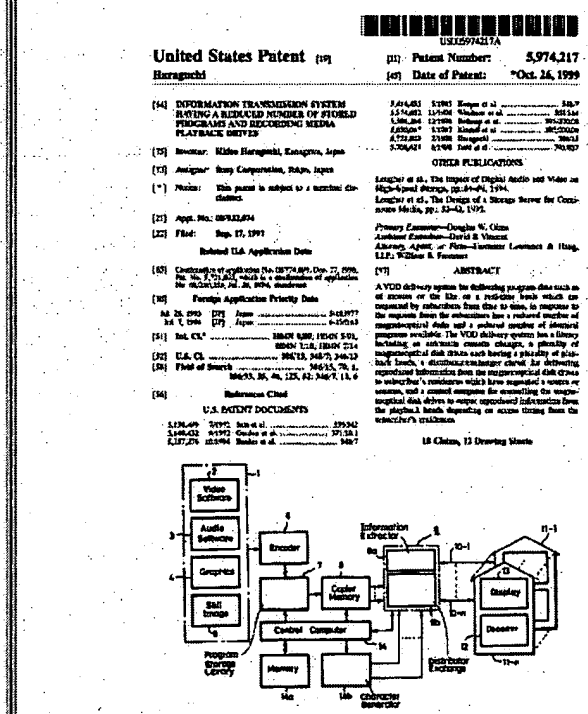
EAST - [09973773.wsp:1]

File View Edit Tools Window Help

- Drafts
- Pending
- Active
  - L1: (12630) "725"/$.ccls.
  - L2: (9308) 1 and broadcast$3
  - L3: (8740) 2 and (program$4 or event)
  - L4: (0) 3 and ("identical program" and "identical version")
  - L5: (64) 3 and ("identical program" or "identical version")
  - L6: (1) 5 and "same version"
  - L7: (0) 5 and "similar version"
  - L8: (30) 3 and ("identical program" or "identical version")
  - L9: (2) 8 and "source ID"
- Failed
- Saved
- Favorites
- Tagged (0)
- UDC
- Queue
- Trash



United States Patent [19]

Haraguchi

[11] Patent Number: 5,974,217

[45] Date of Patent: *Oct. 26, 1999

[54] INFORMATION TRANSMISSION SYSTEM HAVING A REDUCED NUMBER OF STORED PROGRAMS AND RECORDING MEDIA PLAYBACK DRIVES

[75] Inventor: Hideo Haraguchi, Kanagawa, Japan

[73] Assignee: Sony Corporation, Tokyo, Japan

[*] Notice: This patent is subject to a terminal disclaimer.

[21] Appl. No.: 08/933,694

[22] Filed: Sep. 17, 1997

Related U.S. Application Data

[63] Continuation of application No. 08/574,889, Dec. 27, 1995, Pat. No. 5,721,803, which is a continuation of application No. 08/269,358, Jul. 28, 1994, abandoned.

[30] Foreign Application Priority Data

Jul. 28, 1993 [JP] Japan 5-185977
Jul. 7, 1994 [JP] Japan 6-155163

[51] Int. Cl.[6] H04N 5/91; H04N 7/16; H04N 7/24; H04N 7/26

[52] U.S. Cl. 386/15; 348/7; 348/12

[58] Field of Search 386/15, 70, 1, 386/33, 35, 46, 125, 82; 348/7, 13, 6

[56] References Cited

U.S. PATENT DOCUMENTS

5,136,499 8/1992 Ison et al. 395/342
5,148,432 9/1992 Gordon et al. 371/10.1
5,187,576 2/1993 Banks et al. 348/7

OTHER PUBLICATIONS

Langhor et al., The Impact of Digital Audio and Video on High-Speed Storage, pp. 84-91, 1994.

Langhor et al., The Design of a Storage Server for Continuous Media, pp. 32-42, 1992.

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Assistant Examiner—David B. Vincent
Attorney, Agent, or Firm—Limbach Limbach & Sutz, LLP; William S. Frommer

[57] ABSTRACT

A VOD delivery system for delivering program data such as of movies or the like on a real-time basis which are requested by subscribers from time to time, in response to the requests from the subscribers has a reduced number of magneto-optical disks and a reduced number of identical programs available. The VOD delivery system has a library including an automatic cassette changer, a plurality of magneto-optical disk drives each having a plurality of playback heads, a distributor/changer circuit for delivering reproduced information from the magneto-optical disk drives to subscriber's residences which have requested a source or sources, and a control computer for controlling the magneto-optical disk drives to output reproduced information from the playback heads depending on access timing from the subscriber's residences.

18 Claims, 12 Drawing Sheets

BRS form IS&R form Image Text HTML

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor	S
1	☐	☐	US 5974217 A	19991026	24	Information transmission system having a reduced num	386/15	725/92; 725/93		Haraguchi; Hideo	☑
2	☐	☐	US 5721803 A	19980224	23	Information transmission system having a reduced num	386/15	386/70; 725/92;		Haraguchi; Hideo	☑

Hits Details HTML

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